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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/553,475	10/17/2005	Luigi Resconi	FE 6101 (US)	8915
34872 Basell USA Inc	7590 03/27/200	EXAMINER		
Delaware Corporate Center II			ZEMEL, IRINA SOPJIA	
2 Righter Parkway, Suite #300 Wilmington, DE 19803			ART UNIT	PAPER NUMBER
.			1796	
			MAIL DATE	DELIVERY MODE
			03/27/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/553,475	RESCONI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Irina S. Zemel	1796				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY	/ IS SET TO EXDIDE 2 MONTH/	S) OD THIDTY (30) DAVS				
WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>03 No</u>	ovember 2007.					
	· · · · · · · · · · · · · · · · · · ·					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-12</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-12</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examine	r.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Goo the attached dotailed emocration in a list of	or the defining depice not receive	u .				
Attachment(s)	_					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date						
Notice of Draitsperson's Patent Drawing Review (PTO-946) Notice of Draitsperson's Patent Drawing Review (PTO-946) Notice of Informal Patent Application						
Paper No(s)/Mail Date <u>3-9-2006</u> . 6) Other:						

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-11 rejected under 35 U.S.C. 102(b) as being anticipated byby Ueda et al. (U.S. 5,854,354).

Ueda *et al.* teaches a process for polymerization of olefins in the presence of a metallocene catalyst bound to a porous prepolymer support. For example, illustrative example 1 discloses Me₂Si(2-*n*-Pr-4-(9-phenanthryl)Ind)₂ZrCl₂/MAO catalyst which is used to prepolymerize porous propylene (PP). In a subsequent step, the supported catalyst is used to polymerize propylene in the presence of significant amounts of H₂ and *i*Bu₃Al co-activator. The PP homopolymer obtained in this stage is disclosed as having melting point of 161 C. In the second stage a second component, i.e. a copolymer is prepared by polymerizing ethylene and 1-butene (gas phase mixture) in the presence of polypropylene prepared in the previous stage and remaining *i*Bu₃Al co-activator and also in the presence of significant amounts of hydrogen.

The reference further discloses various methods of obtaining the supported catalysts as per column 15, line 5 to column 18, line 21. The reference does not specifically discloses the steps as per claim 9, however, it

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appears that this claim claims a product obtained by the claimed process steps, and not the process itself. As such, the steps limitations are given patentable weight only to the extent that the actual product obtained by the claimed steps is patentably different from te products disclosed in the cited reference. In the instant case, it is reasonable believed that the disclosed supported catalysts are substantially the same as the ctatalysts obtained by the process of claim 9 as they result in supported metallocene catalysts of identical chemical structure and catalytic activity. Since the PTO can not conduct experiments, the burden of proof is shifted to the Applicants to establish an unobviousness difference. *In re Fitzgerald*, 619 F.2d. 67, 205 USPQ 594 (CCPA 1980). See MPEP § 2112-2112.02. *In re Best*, 562 F.2d 1252, 1255, 195 USPQ 430, 433 (CCPA 1977).

Claim Rejections - 35 USC § 102/103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim 12 is rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Ueda.

The disclosure of Ueda is discussed above. The Ueda reference does not expressly discloses the properties of the polypropylene obtained by the process according to Ueda's invention, however, since the process disclosed in Ueda is substantially similar to the process of the instant application, it is reasonable believed that the PP obtained in the process of examples of Ueda inherently exhibit the claimed properties. This believe is further supported by the facts that

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at least the properties (i) and (iii) are inherent properties of PP polymerized with metallocene catalysts. The burden is shifted to the applicants to provide factual evidence to the contrary.

. Since the PTO can not conduct experiments, the burden of proof is shifted to the Applicants to establish an unobviousness difference. *In re Fitzgerald*, 619 F.2d. 67, 205 USPQ 594 (CCPA 1980). See MPEP § 2112-2112.02. *In re Best*, 562 F.2d 1252, 1255, 195 USPQ 430, 433 (CCPA 1977).

Claim Rejections - 35 USC § 103

Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ueda in combination with WO 01/44319 to Bassel Technology Company, B.V. (hereinafter "Basell Technology").

This is an alternative rejection of claim 9 (presuming that the steps of obtaining thecatalyst are claimed as the positive steps of the process of claim 8 and/or the method of obtaining the supported catalyst may have an impact on the catalyst properties).

The disclosure of Ueda is discussed in detail above. While the Ueda reference discloses several methods for preparing supported catalysts as per columns.

Basell technologies discloses the process to obtain supported metallocene catalysts for olefin polymerization which process steps are identical to the claimed steps of the instant claim 9. The Basell Technologies reference expressly disclose that this process results in production of supported catalysts

with better catalyst distribution on the support and the process is efficient and economically advantageous. Thus, it would have been obvious to utilize the process of Basel Technologies to obtain supported catalyst for polymerization process of Ueda, since the catalyst disclosed in both references are chemically identical metallocene catalysts used for polyolefin polymerization, and the catalysts obtained by the process of Basell Technologies results in uniformly distributed, thus more effective, catalytic systems.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Irina S. Zemel whose telephone number is (571)272-0577. The examiner can normally be reached on Monday-Friday 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on (571)272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ Irina S. Zemel/ Primary Examiner, Art Unit 1796 Irina S. Zemel Primary Examiner Art Unit 1796 Page 6

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